

## Product datasheet for **RC209176**

### **C20orf132 (MROH8) (NM\_213631) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C20orf132 (MROH8) (NM_213631) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C20orf132
Synonyms:	C20orf131; C20orf132
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC209176 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTGTCCCGCAGGGGAAGGGGATCCCGCTGGCCGGCTCTCGAGCGGCGACTAGTAACTCCCGC  
 GGGCGACAGCCCTCTCCCAAAGAGTGCCGGCCCGGGCCCTGTCTATAAGCCACGCGCAACTCCTCAC  
 CCGGCGCGCCATTCTCCGAGCAGTCCCGCCGGGTCCGAGCCGCGGGCTGACTTCCGCTCGGAAAG  
 TGGTTCCAAGAGCCGCCACAGGGGACGCCAGGGACTCGCGCAGGCTCTGCGGGCCAGGATGAGTTCTA  
 AGCACAGGATCTGTAGTCAGGAAGAAGTGTGATCCCCTGTGCCTATGACAGTGATTAGAAAAGTGTGGA  
 TTTGGAGCTGAGCAACTAGAGATTATTAAGAAAGGCTCAAGTAGCATTGAACTGACAGACTGGACATC  
 CCTGACATCCCTGGACTCCATTGTGAGCCCTGTACATAGCCCCAGACACTGACCCAACAGGACCCGC  
 TCAGTGAGGCCATTGTTGAGAACTGATCCAGTCCATCCAGAAGTTTTCAATGGTGAGCTAAAGGGTGA  
 ACTTGAAGGCTGAAATTCCTAGGAGATCTGTCTCTCAGCCAAGCTTACCTTATGATGAAACCGCA  
 AAATCATTCAATCACAGCCACATAGCAGACATTGTGCATACCTTAAATGTACTGGTACAAGGAAACGCC  
 CGCATTCTCTGTCCAGTCCATGCGCCAGGAGTCTTTGTACCATCGCTGATCTCAGTTACCAAGATGT  
 CCATTTGCTGTTGGGCTCTGAAGATCGAGCTGAGTTGTTCACTTACCATCAAGAGTATAATCACTCTG  
 CCCTCTGTAAGGACCTTACCCAGATACAGGAAATCATGCCCAATGGGACCTGCAACACAGAGTGTCTTT  
 ACAGGCAGACGTTTCAGGCATTCTGAGATGCTCCAGAGTTGGTGGTAAAAGACCCACATTTGGAAAA  
 TCTTGACACCATTATAAGCACTGGTCCCCTGGTTACAGTCAGTCAAAGACCATGAGCGGGAACGGGCC  
 ACGGCCAGCATGGCTCAAGTCTGAAGTGCCTATCCAAACATCTCAACTGAAGCTTCCACTGCGATTCC  
 AAAGACTTGACACCTAGTGGCTCTGATGGCAGTCTGTGGGGACCCACAGGAAAAGTGGCTGAGGA  
 GGCTGCAGAGGGCATTCACTCCCTGCTGCATATCACCTGAGGCTGAAGTATATCACTCATGACAAGAAA  
 GATCAGCAAAACTTGAAGAGCATTGACAAAATGTCGAGAATTCCTGGAGCTCCACAGCTCTGCCGCTA  
 AATGCTTCTACAAGTGTCCCTTCCAGAAATGCCAGGTCTTTGAAGTTTTCTTGATTCAAATGAGCTCTG  
 CCAGTTTATAATGACTACATTTGATACCCTGAAAACCTGAAACATCCCTGCATCCAGCGATCAGCAGGA  
 GAATTACTGCTAACTTTGGCGAAAATACAGAGTCCCAATTTGAGAAGGTGCCAGAAATTATGGGAGTTA  
 TCTGTGCCAGTTACCCATAATCAGCCAGCCTAGAGTCCGCCAACAAATCATAAATACCGTGAGTTTATT  
 TATATCCAGACCAAGTACACAGATATAGTGCTCAGTTCCTTCTGTGCATCCAGTGCCGTATAACAGG  
 CACCTGGCTGAGGTGTGGAGAATGCTGTGGTGGAGCTTCCAGCACGACCTGGATTCTGTGGAGGCTCC  
 TGAGGAAGCTGCAGAAATGCCATAATGAGCCTGCACAGGAGAAGATGGCATAATGTGGCTGTGGCTGAAG  
 CCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209176 protein sequence  
 Red=Cloning site Green=Tags(s)

MPLSRRGRSRLAGSRAATSNLPRATALSPKSAGRGALSI SHAQLL TRRRHSSEQVPPGSEPRADFRSGK  
 WFQEPATGDARDSRQALRARMSSKHRICSQEEVVI PCAYDSDESVDLELSNLEI IKKGSSSIEL TDLDI  
 PDIPGLHCEPLSHSPRHLTQQDPLSEAI VEKLIQSIQKVFNGELKGELEKLFKFLGDLSSL SQALPYDETA  
 KSF IHSIADI VHTLNLVQEERPHSLSSMRQEVFVTIADLSYQDVHLLLGSEDRAELFSLTIKSIITL  
 PSVRTLTQIQEIMPNGTCNTECLYRQTFQAFSEMLQSLVVKDPHLENLDTIKHLVPWLQSVKDHERRA  
 TASMAQVLKCLSKHLNLKPLRFQRLGHLVALMALLCGDPQEKVAEEAAEGIHSLHLITLRLKYITHDKK  
 DQQLKRALTKREFLELHSSAAKCFYNCFRI AQVFEGFLDSNELCQFIMTTFDLTKLKHPCIQRSAG  
 ELLLLTAKNTESQFEKVEIMGVICAQLPIISQPRVRQIIINTVSLFISRPKYTDIVLSFLLCHPVPYNR  
 HLAEVWRMLSVELPSTTWILWRLLRKLQKCHNEPAQEKMAYVAVAVSP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6708\\_d08.zip](https://cdn.origene.com/chromatograms/mk6708_d08.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_213631

ORF Size: 1824 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_213631.3](#)

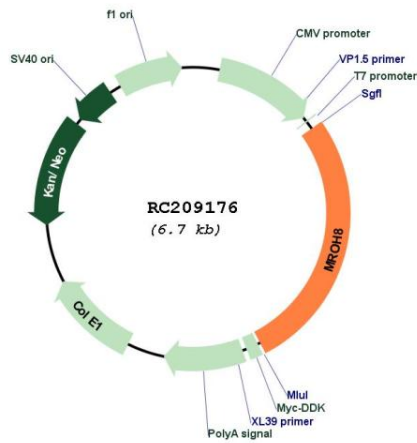
RefSeq Size: 2148 bp

RefSeq ORF: 1827 bp

**Locus ID:** 140699  
**UniProt ID:** [Q9H579](#)  
**Cytogenetics:** 20q11.23  
**MW:** 68.6 kDa

**Gene Summary:** The protein encoded by this gene belongs to the maestro heat-like repeat family. The exact function of this gene is not known, however, in a genome-wide association study using hippocampal atrophy as a quantitative trait, this gene has been associated with Alzheimer's disease (PMID:19668339). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

**Product images:**



Circular map for RC209176